

ABSTRACT

**PIXELLATED DEVICES SUCH AS ACTIVE MATRIX LIQUID CRYSTAL
DISPLAYS AND METHODS OF MANUFACTURING SUCH**

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10 A method for use in the fabrication of active plates for pixellated
devices, such as active matrix liquid crystal displays, having pixel electrodes
(38) and associated address lines (32) formed from a layer of transparent
conductive material (53) through which the conductivity of the address lines is
improved. The transparent conductive layer (53) and a metal layer (54) are
deposited in succession and followed by a shielding layer (60), e.g. of
photoresist, which is patterned into a configuration of regions (67,68,69)
corresponding to the required pixel dielectrodes and address lines with a
property of the layer at these respective regions being different. This enables
15 the regions of this layer corresponding to the pixel electrodes to be selectively
etched away, thereby allowing the metal at these regions to be selectively
removed while leaving metal at the address lines.

The method simplifies the production of low mask mount TFT active
plates with improved address line conductivity.

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Figures. 5I, 6.

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